

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility 24914 Service: DTV Call WKYT-TV Channel: 21 (UHF)

Sign:

File **0000028731** 

Number:

ID:

FRN: **0018223693** Date **03/25** 

Submitted: /2019

# Applicant Information

#### **Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC	Robert Folliard 4370 Peachtree Road Atlanta, GA 30319 United States	+1 (202) 750-1585	Robert. Folliard@gray. tv	Limited Liability Company

# Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

#### Preparer Contact Information

#### **Preparer Contact Name and Information**

Applicant	Address	Phone	Email
Samuel Hariton Widelity	Samuel Hariton 4031 University Dr Suite 100 Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widelity.com

#### Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	WKYT is replacing the transmitter, antenna, and transmission line as well as installing an interim transmitter, antenna, and transmission line.

#### **Transmitters**

Section	Question	Response
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

# Primary Transmitter

## **Existing Transmitter Information**

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	Sigma Diamond Drive
	Year	2001
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	45.6 kW

# Primary Transmitter

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	39 kW
	Justification for New Transmitter	Cost of replacement IOT exceedes the cost of the Solid State transmitter. We are choosing the less expensive Solid State

#### Primary Transmitter

## **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No

	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Improvement	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

## Primary Transmitter

#### Other Transmitter Cost Not Listed

Name	Description
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Security System	Sonitrol 16167-1-0
Building Upgrades	Roof and ice protection

#### Interim Transmitter

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-30
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19.2 kW
	Justification for New Transmitter	Interim transmitter needed to continue broadcasting during the transition period.

#### Interim Transmitter

#### **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
		1

	Description	The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Heating and Cooling
	Size	5 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
Improvement	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

# Interim

**Other Transmitter Cost Not Listed** 

**Transmitter** Information not provided.

#### **Antennas**

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

#### **Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	ATW26H3- ESCX-36S
Year	2010

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	800.0 kW
	Manufacturer	
		'

Model	TFU-25JSC /VP-R C150
Year	2017
Justification for New Antenna	The current ERI antenna on Ch 36 will not work on Ch21 and can not be retuned therefore will need to be replaced for new antenna on Ch21.

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes

Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

#### **Other Antenna Cost Not Listed**

Name	Description
Red FAA L-864 LED Obstruction Light	Flash FTS 370R LED Beacon Kit, LED obstruction light
Site Survey to Layout Dielectric Side Mount Antenna	Site Survey to layout Dielectric Side Mount primary antenna

#### Interim Antenna

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	1
	Lower Limit	512.00 MHz
	Upper Limit	608.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	312.0 kW
	Manufacturer	
	Model	TFU-24WB- C160-H
	Year	2018

Justification for New Antenna	Interim
	antenna
	needed to
	continue
	broadcasting
	during the
	transition
	period

#### Interim Antenna

#### **Other Antenna Costs**

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	3 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

#### Interim Antenna

**Other Antenna Cost Not Listed** 

Information not provided.

Transmission <sup>Seffien</sup>	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

# Primary Transmission Line

#### **Existing Transmission Line**

on Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	975 feet per run

#### **New Transmission Line**

Primary	y
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Transmission Line Question Response **New Transmission Line** Use Primary Costs (Main) Description of Use N/A Change Type Purchase New Is this a request for upgraded equipment? No Type Rigid Diameter 6 1/8 inches Other Diameter N/A Segment Length 19 3/4 inches Other Segment Length N/A Number of parallel runs 1 1050 feet Length per run Justification for New Transmission Line The current Ch 36 transmission line section length will not work for Ch21 therefore the transmission line will need to be replaced.

Primary
Other Transmission Line Expenses Not Listed
Transmission of provided.

#### Interim

#### **New Transmission Line**

Transmissio	n Line Section	Question	Response
	New Transmission Line	Use	Interim
	Costs	Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	3 1/8 inches
		Segment Length	Broadband
		Other Segment Length	
		Number of parallel runs	1
		Length	900 feet per run
	Justification for New Transmission Line	Interim transmission line needed to continue broadcasting during the transition period	

Interim Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

# Tower Equipment And Rigging Costs

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

## Primary Tower

#### **Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1030383
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	38° 02' 23.0" N-
	Longitude (NAD83)	084° 24' 10.0" W-
	Overall Structure Height	999.99 fee
	Support Structure Height	979.97 fee
	Ground Elevation Above Mean Sea Level (AMSL)	988.83 fee

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	Gray Television Group, Inc.
Date Constructed	01/01/1989

FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared

Facility ID	Call Sign	Service
27417	WLXX	FM

#### **Other Types of Users**

Users	
Sprint	

#### Primary Tower

#### **Tower Modification Costs**

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Major Reinforcements needed

#### Primary Tower

#### **Tower Rigging Costs**

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A

Helicopter Services	Are helicopter services required?	No
Required		

## Primary Tower

#### **Other Tower Expenses Not Listed**

Name	Description
Moving Equipment	Removing existing antenna and installing new antennas

#### Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	900
	Explanation	Strategic Support
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside
Other Professional Services Expenses Not Listed
Professional Services ©qstsided.

# Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	No
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD  Notification of a Channel Change?	Yes

# Other Expenses

## Other Expenses Not Listed

Name	Description
Security	Site Security during equipment storage

# **Cost Information**

#### **Transmitters**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

			Entiment of		
Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos
Interim Transmitter ULXTE-30	\$703,850.00	\$616,230.94		\$372,859.59	
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	\$2,000.00	\$2,000.00	N/A	\$0.00	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$596,380.94	N/A	\$372,859.59	N/A
Other HVAC Service Type: H Size:5 (Other)	\$17,850.00	\$17,850.00	See attached WKYT 5 Ton HVAC quote.	N/A	N/A
Primary Transmitter ULXTE72	\$1,782,728.47	\$1,601,187.73		\$1,117,802.76	

Building Upgrades	\$166,938.55	\$166,938.55	See attached WKYT	\$144,558.00	N/A
			Kalkreuth		
			Roof quote		
			dated 4/26		
			/18, cost		
			\$165,658.00.		
			See		
			attached		
			Graybar		
			lighting		
			quote, cost		
			\$1,280.55.		
Security	\$4,789.92	\$4,789.92	See	N/A	N/A
System			attached		
			Anixter		
			quote		
			Q0001QLG,		
			Sonitrol		
			Security		
			quote		
			#16167-1-0,		
			Wireless		
			Temp		
			Sensor		
			quote, and		
			B&H quote.		
Other	\$138,000.00	\$138,000.00	See	\$126,301.00	N/A
Electrical			attached		
Service: The			revised		
new			Parsons		
transmitter will			Electrical		
require			Contractors		
reconfiguration			quote.		
of the					
electrical					
service on					
site. The					
electrical work					
cost has been					
estimated					
based on					
verbal					
guidance from					
local electrical					

UHF - Liquid Cooled Solid State Transmitter 35	\$1,473,000.00	\$1,291,459.26	N/A	\$846,943.76	N/A
- 50 kW  Sub-total	\$2,486,578.47	\$2,217,418.67	N/A	\$1,490,662.35	N/A
Total for all systems	\$4,372,970.57	\$3,974,436.67	N/A	\$2,065,380.81	N/A

#### Components

Actual Information Description	File Name	
Other Electrical Service: The new transmitter will require reconfiguration of the electrical service on site. The electrical work cost has been estimated based on verbal guidance from local electrical contractors.	Information not provided.	
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	Component Description:  Amount:	Transmitter, Mask Filter System, RF Accessories, Electrical, Installation & Proof \$372,859.59
Other HVAC Service Type: H Size:5 (Other)	Information not provided.	

	Component Description:	Roofing Work
		Completed
	Amount:	\$80,658.00
	Component Description:	Final Draw on
		New Transmitter
	Amount:	\$23,900.00
	Component Description:	New transmitter
		building HVAC
	Amount:	\$20,000.00
	Component Description:	First Draw on New
		Transmitter
		Building HVAC
	Amount:	\$20,000.00
Security System	Information not provided.	

Other Electrical Service: The new transmitter will WKYT Transmitter **Component Description:** require reconfiguration of Power the electrical service on site. \$10,200.00 Amount: The electrical work cost has been estimated based on verbal guidance from local electrical contractors. **Component Description:** Transmitter power, PROG - 18-FCC154-WKYT-REM06 **Amount:** \$24,275.00 **Component Description: Transmitter Power** PROG-18-FCC154-WKYT-REM06 Amount: \$45,826.00 **Component Description:** WKYT Tranmsitter Power **Amount:** \$46,000.00

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW

Component Description: Transmitter, Mask

Filter System, RF Accessories, Electrical,

Installation & Proof

**Amount:** \$846,943.76

# **Cost Information**

#### **Antennas**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost
\$205,570.00	\$173,788.00		\$95,583.40	
\$9,340.00	\$8,624.00	DTVPros Quote JEHQ1282- 05.	\$4,743.20	N/A
\$6,730.00	\$6,400.00	DTVPros Quote JEHQ1282- 05	\$3,520.00	N/A
\$189,500.00	\$158,764.00	DTVPros Quote JEHQ1282- 05	\$87,320.20	N/A
\$246,560.10	\$239,940.10		\$191,952.08	
\$6,700.00	\$6,700.00	DTVPros Quote JEHQ1260- 05	\$5,360.00	N/A
	\$205,570.00 \$9,340.00 \$6,730.00 \$189,500.00	Cost Estimate       Cost         \$205,570.00       \$173,788.00         \$9,340.00       \$8,624.00         \$6,730.00       \$6,400.00         \$189,500.00       \$158,764.00         \$246,560.10       \$239,940.10	Predetermined Cost Estimate         Estimated Cost Justification           \$205,570.00         \$173,788.00           \$9,340.00         \$8,624.00         DTVPros Quote JEHQ1282-05.           \$6,730.00         \$6,400.00         DTVPros Quote JEHQ1282-05           \$189,500.00         \$158,764.00         DTVPros Quote JEHQ1282-05           \$246,560.10         \$239,940.10         DTVPros Quote JEHQ1282-05	Predetermined Cost Estimated S205,570.00         Estimated Cost Justification Justification Actual Cost S205,570.00         \$173,788.00         \$95,583.40           \$9,340.00         \$8,624.00         DTVPros Quote JEHQ1282-05.         \$4,743.20 Quote JEHQ1282-05.           \$189,500.00         \$6,400.00         DTVPros Quote JEHQ1282-05         \$87,320.20 Quote JEHQ1282-05           \$246,560.10         \$239,940.10         TVPros Quote JEHQ1282-05         \$5,360.00 Quote JEHQ1282-05           \$6,700.00         \$6,700.00         DTVPros Quote JEHQ1282-05         \$5,360.00 Quote JEHQ1260-

Red FAA L- 864 LED Obstruction	\$6,860.00	\$6,860.00	DTVPros Quote JEHQ1260-	\$5,488.00	N/A
Light			05		
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$3,500.00	DTVPros Quote JEHQ1260- 05	\$2,800.00	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$12,768.00	DTVPros Quote JEHQ1260- 05	\$10,214.40	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	DTVPros Quote JEHQ1260- 05	\$5,120.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 800 kW input, directional,, elliptically or circularly polarized	\$184,160.10	\$184,160.10	DTVPros Quote JEHQ1260- 05	\$147,328.08	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$19,552.00	DTVPros Quote JEHQ1260- 05	\$15,641.60	N/A
Sub-total	\$452,130.10	\$413,728.10	N/A	\$287,535.48	N/A
Total for all systems	\$4,372,970.57	\$3,974,436.67	N/A	\$2,065,380.81	N/A

## Components

Actual Information Description	File Name	
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	Component Description: Amount:	New Interim Antenna Elbow Complex \$2,587.20
	Component Description:  Amount:	New Interim Antenna Elbow Complex \$2,156.00
Sweep test of existing antenna	Component Description: Amount:	Sweep Test New Interim Antenna \$1,920.00
	Component Description: Amount:	Sweep Test New Interim Antenna \$1,600.00

UHF - Lower Power Side Mount, One station - 200-**UHF** Broadband **Component Description:** 500 kW, horizontally Slot, Side Mount polarized AUX/Interim \$47,629.20 Amount: **Component Description: UHF** Broadband Slot, Side Mount AUX/ Interim Amount: \$39,691.00 Site Survey to Layout Dielectric Side Mount **Component Description:** Site Survey to Antenna Layout Side Mount Amount: \$2,010.00 **Component Description:** WKYT-210-New Primary Antenna - Site Visit for Antenna Layout Amount: \$1,675.00 **Component Description:** Site Survey to Layout Side Mount Amount: \$1,675.00

Red FAA L-864 LED		
Obstruction Light	Component Description:	WKYT-210-New
		Primary Antenna-
		LED Beacon Kit
	Amount:	\$1,715.00
	Component Description:	Beacon Kit
	Amount:	\$1,715.00
	Common and December 1	D 1/2
	Component Description:	Beacon Kit
	Amount:	\$2,058.00
Pattern scatter analysis for		
side mount high/med power	Component Description:	WKYT-210-New
antennas (if not included in		Primary Antenna
antenna base cost)		- Pattern Scatter
		Analysis
	Amount:	\$875.00
	<b>Component Description:</b>	Pattern Scatter
		Analysis
	Amount:	\$875.00
	Component Description:	Pattern Scatter
		Analysis \$1,050.00
	Amount:	

Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	Component Description:  Amount:	WKYT-210-Elbow complex New Primary Antenna \$3,192.00
	Amount.	φ3,192.00
	Component Description:	New Primary Antenna Elbow
	Amount:	Complex \$3,830.40
	Component Description:	New Primary Antenna Elbow
	Amount:	Complex \$3,192.00
Sweep test of existing		
antenna	Component Description:	WKYT-210- Sweep test New
	Amount:	Primary Antenna \$1,600.00
	Component Description:	Sweep Test New
	Amount:	Primary Antenna \$1,920.00
	Component Description:	Sweep Test New
		Interim Antenna

UHF - High Power, Side Mount, basic slot antenna, 800 kW input, directional,, elliptically or circularly polarized

Component Description: UHF HIGH

POWER SIDE MOUNT TV ANT TFU 25JSC/VP-R

C150

**Amount:** \$46,040.02

Component Description: UHF High Power

Side Mount

**Amount:** \$55,248.03

Component Description: UHF High Power

Side Mount

**Amount:** \$46,040.03

Side mount brackets for high power antennas (if not included in antenna base cost)

Component Description: WKYT-210-Side

mount brackets
New Primary
Antenna

**Amount:** \$4,888.00

Component Description: New Primary Side

Mount

**Amount:** \$4,888.00

Component Description: New Primary Side

Mount

**Amount:** \$5,865.60

#### **Transmission Line**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$108,000.00	\$81,664.65		\$44,915.58	
Rigid Transmission Line - copper, 3 1 /8" broadband	\$108,000.00	\$81,664.65	DTVPros Quote JEHQ1282- 05	\$44,915.58	N/A
Primary Transmission Line	\$212,100.00	\$162,304.50		\$129,843.60	
Rigid Transmission Line - copper, 6 1/8"	\$212,100.00	\$162,304.50	DTVPros Quote JEHQ1260- 05	\$129,843.60	N/A
Sub-total	\$320,100.00	\$243,969.15	N/A	\$174,759.18	N/A
Total for all	\$4,372,970.57	\$3,974,436.67	N/A	\$2,065,380.81	N/A

File Name	
Component Description: Amount:	New Interim Transmission Line \$24,499.40
Component Description:  Amount:	New Interim Transmission Line \$20,416.18
	Component Description:  Amount:  Component Description:

Rigid Transmission Line - copper, 6 1/8"

**Component Description:** WKYT-310-New

Primary

Transmission Line

**Amount:** \$40,576.12

Component Description: New Primary

Transmission Line

**Amount:** \$40,576.13

Component Description: New Primary

Transmission Line

**Amount:** \$48,691.35

### **Tower Equipment and Rigging Costs**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description Primary Tower TOWER	Predetermined Cost Estimate \$844,100.00	Estimated Cost \$847,001.25	Estimated Cost Justification	Actual Cost \$57,675.00	Actual Cost Justification
Tall Tower (greater than 500')	\$210,500.00	\$241,501.25	GTI America Quote Q17- 06-020b	\$53,775.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$5,500.00	See attached SSC Structural Analysis Quote	\$3,900.00	N/A
Moving Equipment	\$200,000.00	\$200,000.00	N/A	N/A	N/A
Major tower reinforcement /modifications	\$421,000.00	\$400,000.00	N/A	N/A	N/A
Sub-total	\$844,100.00	\$847,001.25	N/A	\$57,675.00	N/A
Total for all systems	\$4,372,970.57	\$3,974,436.67	N/A	\$2,065,380.81	N/A

<b>Actual Information</b>		
Description	File Name	

Tall Tower (greater than 500')		
000)	Component Description:	Tower rigging
		Services- Tall
		Tower (greater
		than 500')
	Amount:	\$33,550.00
	Component Description:	Separate
		mobilization to
		travel to site, rig
		tower and install
	Amount:	\$20,225.00
Structural engineering tower		
load study for well	Component Description:	Final Analysis
documented tower		Revised -
		Lexington WKYT
	Amount:	\$1,900.00
	Component Description	WKYT CH 21
	Component Description:	Structural Analysis
	Amount:	\$2,000.00
	, another	Ψ2,000.00
Moving Equipment	Information not provided.	
Major tower reinforcement /modifications	Information not provided.	

### **Outside Professional Services**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$177,120.00	\$167,750.00		\$54,208.30	
Project management of the transition	\$142,200.00	\$135,000.00	N/A	\$50,024.30	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$196.50	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,450.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$2,537.50	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Sub-total	\$177,120.00	\$167,750.00	N/A	\$54,208.30	N/A
Total for all systems	\$4,372,970.57	\$3,974,436.67	N/A	\$2,065,380.81	N/A

Components		
Actual Information Description	File Name	
Project management of the transition	Component Description: Amount:	Project management \$3,392.25
	Component Description: Amount:	Project Management \$1,690.60
	Component Description: Amount:	Project Management \$755.80
	Component Description: Amount:	Project management \$2,711.90
	Component Description: Amount:	Project Management \$28.20
	Component Description: Amount:	Project Management \$2,399.45

**Component Description:** 

Amount:

Project

Management \$1,579.00

**Component Description:** 

Project

Amount:

Management \$2,285.70

**Component Description:** 

Project

Amount:

Management \$2,975.65

**Component Description:** 

Project

Amount:

Management \$1,979.35

**Component Description:** 

Project

Amount:

Management \$3,939.40

**Component Description:** 

Project

Amount:

Management

\$2,264.80

**Component Description:** 

**Project** 

Amount:

Management \$1,962.60

**Component Description:** 

Project

Amount:

Management \$2,456.30

**Component Description:** 

Project

Amount:

Management

\$1,869.15

Component Description: Transition Related

Project

Management

Costs

**Amount:** \$2,850.00

Component Description: Project

Management

**Amount:** \$802.25

**Component Description:** Project

management

**Amount:** \$2,405.15

Component Description: Project

management

**Amount:** \$1,816.05

Component Description: Project

Management

**Amount:** \$2,199.80

Component Description: Project

Management

**Amount:** \$1,856.25

Component Description: Project

Management

**Amount:** \$2,599.90

Project

Management

\$801.45

Component Description: Project

**Component Description:** 

Amount:

Management

**Amount:** \$2,403.30

	1	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.	
ASR modification (prepare FCC Form 854)	Information not provided.	
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	Complete and file initial construction permit application. \$196.50
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:  Amount:	Develop final ERP and parameters for initial CP application. \$1,450.00

Perform engineering study for new channel assignment and antenna development	Component Description:	Engineering Study for New Channel
	Amount:	Assignment \$275.00
	Component Description:	Review technical specs and length of antenna for use
	Amount:	as interim \$312.50
	Component Description:	Perform engineering study for new channel assignment
	Amount:	\$1,187.50
	Component Description:	Respond to query re: repack Ch-21 non-maximized ERP, directional antenna pattern.
	Amount:	\$137.50
	Component Description:	RF Engineering Consulting
	Amount:	\$625.00
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	

### **Other Expenses**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$92,942.00	\$84,569.50		\$540.50	
Security	\$12,000.00	\$12,000.00	N/A	N/A	N/A
MVPD Notification of Channel Change	\$1,200.00	\$1,200.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$7,000.00	\$7,000.00	N/A	\$540.50	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$38,662.00	\$38,662.00	See attached Degrees of Comfort Transmitter Disposal quote.	N/A	N/A
Non-zoning permits	\$12,000.00	\$12,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$3,192.50	N/A	N/A	N/A
Sub-total	\$92,942.00	\$84,569.50	N/A	\$540.50	N/A
Total for all systems	\$4,372,970.57	\$3,974,436.67	N/A	\$2,065,380.81	N/A

Actual Information Description	File Name	
Security	Information not provided.	
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Delivery and Handling Charges	Component Description: Amount:	Forklift WHSE 5000# GAS/LP N/A
	Component Description: Amount:	Equipment Delivery \$540.50
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Non-zoning permits	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	

FCC Filing Fees - Form 2100 license to cover application	Information not provided.
DTV Medical Facility Notification	Information not provided.

### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,372,970.57	\$3,974,436.67	\$2,065,380.81

Reimbursem	envestiatus	Response
	The facility has ceased operating on its pre- auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Section Question Response

### Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 1. The Authorized
  Person signing
  below certifies that he
  /she is authorized to
  submit this TV
  Broadcaster
  Relocation Fund
  Reimbursement
  Form on behalf of
  the above-named
  entity.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

- 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Robert J. Folliard , III

Assistant Secretary

03/25/2019

Section Question Response

# Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 1. The Authorized
  Person signing
  below certifies and
  represents that he
  /she is authorized to
  submit this TV
  Broadcaster
  Relocation Fund
  Reimbursement
  Form on behalf of
  the above-named
  entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Robert J. Folliard , III

Assistant Secretary

03/25/2019

#### **Attachments**